

Form PTO-1449 U.S. Department of Commerce (REV. 8-83) Patent And Trademark Office		Atty. Docket No. ENZ-5 (D8) (C)	Serial No. 07/954,772
INFORMATION DISCLOSURE CITATION (use several sheets if necessary)		Applicants: Engelhardt et al.	
		Filed: 9/30/92	Group 1807

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANS- LATION	
						YES	NO
	0 063 87 9		EUROPEAN (YALE UNIV.)				
A	0 061 76 2		EUROPEAN (BAKER INSTR.)				
A	0 061 76 0		EUROPEAN (BAKER INSTR.)				
A	0 061 76 1		EUROPEAN (BAKER INSTR.)				
	204094 3		GREAT BRITAIN (MILES LAB.)				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

~~SEARCHED (including Author, Title, Date, Pertinent Pages, etc.)~~

CHEMICAL ABSTRACTS, NO. 77, FEBRUARY 15, 1982
PAGE 207, ABSTRACT NO. 47771Z CITING
LANGER ET AL., "ENZYMIC SYNTHESIS OF BIOTIN
LABELED POLYNUCLEOTIDES: NOVEL NUCLEIC ACID
AFFINITY PROBES," PROC. NATL. ACAD. SCI. (USA)
78(11):6633-37 (1981)

CHEM. PHARM. BULL., NO. 8(6):1685-1703 (1980)

EXAMINER Mark Marshall DATE CONSIDERED 7/14/95

***EXAMINER:** Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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						YES	NO
	A-6 302 276		WO (INSTITUT PASTEUR)				
	A-6 302 277		WO (INSTITUT PASTEUR)				

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		CHEMICAL ABSTRACTS, VOL. 94, NO. 25, JUNE 22, 1981, PAGE 366, ABSTRACT NO. 2142986 CITING P. CLECHET ET "TRACE ANALYSIS OF BARIUM IN WATER BY MEANS OF CATIONIC RESIN LOADED PAPER AND X-RAY FLUORESCENCE ANALYSIS," ANALYSTS 1981, 9(4), 125-8
		CHEMICAL ABSTRACTS, VOL. 66, NO. 9, FEBRUARY 27, 1967, PAGE 3326, ABSTRACT NO. 35045H CITING DUKE ET AL., "CONFORMATIONAL CHANGE ACCOMPANYING MODIFICATION OF
EXAMINER	<i>A. L. Marashy</i>	DATE CONSIDERED 7/14/95

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		MYOSIN ATPase," BIOCHIM. BIOPHYS. ACTA, 126(3), 600-3
		LIEBIGS ANN. CHEM., VOL. 712, 1968, PP. 195-200, F. KATHAWALA ET AL., "DARSTELLUNG VON DESOXY-OLIGO- NUCLEOTIDEN MIT 2'-[2,4-DIMETHOXY-BENZYLIDEN]- URIDEN ALS PHOSPHAT-SCHUTZ-GRUPPE CHEMICAL ABSTRACTS, VOL. 98, NO. 9, FEBRUARY 28, 1983 PAGE 334-335, ABSTRACT NO. 77997m, CITING TROUET ET AL., "TARGETTING OF ANTITUMOR AND ANTIPROTOZOAL DRUGS BY
EXAMINER	Adri Massel	DATE CONSIDERED 7/14/95
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		COVALENT LINKAGE TO PROTEIN CARRIERS," NATO ADV. STUDY INST. SER., SER. A 1982 47 (TARGETTING DRUGS) PAGES 19-30
		ANGERER ET AL., CELL, VOL. 9, SEPTEMBER 1976, PAGES 81-90 "AN ELECTRON MICROSCOPE STUDY OF THE RELATIVE POSITIONS OF THE 4S AND RIBOSOMAL RNA GENES IN HELa CELL MITOCHONDRIAL DNA"

EXAMINER André Massel

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		MACKEY ET AL., BIOCHEMISTRY, VOL. 16, NO. 20, OCTOBER 4, 1977, PAGES 4478-4483 "PREPARATION AND CHARACTERIZATION OF HIGHLY RADIOACTIVE IN VITRO LABELED ADENOVIRUS DNA AND DNA RESTRICTION FRAGMENTS"
		CHEMICAL ABSTRACTS, VOL. 91, NO. 11, SEPTEMBER 10, 1979 PAGE 303, ABSTRACT NO. 85951n, CITING SH A 659 573 INSTITUTE OF BIOPHYSICS ET AL., APRIL 30, 1979
EXAMINER	Adi Manshad	DATE CONSIDERED 7/14/95
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	SALAM ET AL., "SYNTHESIS OF NUCLEOSIDE 5' (BETA-D-GLUCOPYRANOSYL) MONOPHOSPHATES BY THE SUGAR ORTHO-ESTER ROUTE," CARBOHYDRATE RESEARCH, VOL. 102, PAGES 139-146, MAY 1982
	SALAM ET AL., "SYNTHESIS OF ACETYLATED ALPHA AND BETA-L-FUCOSYL ESTERS OF NUCLEOSIDE 5' MONOPHOSPHATES BY THE ORTHO ESTER ROUTE," NUCLEOSIDES & NUCLEOTIDES, VOL. 1, NO. 2 (1982)
EXAMINER	<i>Adrian Marasco</i>
	DATE CONSIDERED 7/14/95

EXAMINER Adam Marosko DATE CONSIDERED 7/14/95

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INFORMATION DISCLOSURE CITATION (several sheets if necessary)								Applicants: Dean L. Engelhardt et al.	
								Filed: June 7, 1995	Group: 1807



U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER								DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	2	5	5	2	2	3	04/17/81		Ward et al.				
AM	4	7	0	7	4	4	0	11/17/87	Stavrianopoulos	435	6		
AM	4	0	3	8	4	8	0	07/26/77	Robins et al.	536	27		
AM	4	2	1	3	8	9	3	07/22/80	Carrico et al.	260	112,5R		
	4	2	5	5	5	0	0	06/10/81	Carrico et al.				
AM	4	3	7	8	4	5	8	03/29/83	Gohlike et al.	536	29		
AM	4	4	4	3	5	9	4	04/17/84	Buckmann	536	27		
AM	4	4	6	0	7	7	2	07/17/84	Benovic et al.	514	311		
AM	3	9	3	1	3	9	7	01/06/76	Harnden	424	85		
AM	4	1	2	4	7	0	2	11/07/78	Lampson et al.	424	85		
AM	4	3	1	3	9	3	8	02/02/82	Arimura et al.	424	180		

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		YES	NO												
AM	5	3	1	3	3	2	8	3	11/78	Japan					
AM	2	0	3	6	0	2	9	A	06/25/80	UK					
AM	5	7	0	1	1	9	9	9	1/82	Japan					
AM	6	0	9	6	6	1	0		5/85	Japan					
AM	0	0	6	3	8	7	9	B1	11/02/82	EP					

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AM	Becker et al., "Irreversible Inhibition of Biotin Transport in Yeast by Biotinyl-p-nitrophenyl Ester," Proc. Nat'l. Acad. Sci. (USA) 68:2604-2607 (1971)
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AM	Manning et al., "A New Method of in situ Hybridization," Chromosoma, 53:107-117 (1975)
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EXAMINER	Adam Maschel
DATE CONSIDERED	12-22-95

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								Applicants: Dean L. Engelhardt et al.	
								Filed: June 7, 1995	Group: 1807

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AM	4	7	1	1	9	5	5	12/08/87	Ward et al.	536	29	
AM	4	3	5	8	5	3	5	11/82	Falkow et al.	435	5	
AM	5	2	6	0	4	3	3	11/09/93	Engelhardt et al.	536	23.1	
AM	4	5	8	1	3	3	3	04/08/86	Kourilsky et al.	435	6	
AM	4	6	0	5	7	3	5	08/12/86	Miyoshi et al.	536	27	
AM	#	7	0	8	9	3	5	11/24/87	Suhadolnik et al.	435	91	
AM	4	8	8	0	9	1	8	11/24/89	Rapaport	536	27	
AM	4	8	2	8	9	7	9	5/9/89	Klevan et al.	435	6	
AM	4	8	3	3	2	5	1	05/23/89	Musso et al.	548	30.3	
	3	0	6	0	8	4	0	06/01/76	Sechrist, III et al.			
	4	2	3	0	7	8	7	10/26/80	Boguslaski et al.			

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AM	2	0	4	0	9	4	3		09/03/80	UK	—	—		
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AM	6	0	1	6	9	4	9	5	09/85	JP	—	—		
AM	0	1	6	9	7	8	7	A1	1/29/86	EP	—	—		
AM	8	6	0	2	9	2	9		5/22/86	PCT	—	—		

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EXAMINER	Andrea Mascher
DATE CONSIDERED	12-22-95

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AM	5	70	4	2	6	3	2		3/86	JP	—	—	—		
AM	6	1	1	0	3	8	2	4	5/86	JP	—	—	—		
AM	0	0	2	7	6	3	1	B1	4/24/81 05-06-82	EP	—	—	—		
AM	0	2	2	5	8	0	7	A2	06/16/87	EP	—	—	—		
AM	8	3	0	2	2	7	6		07/07/83	PCT	—	—	—		

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EXAMINER	Adrian Mander
	DATE CONSIDERED 12-22-95

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AM		A	6	5	9	5	7	3	04/30/79	SU	—	—			
AM		0	0	6	1	7	6	2	A2	10/06/82	EP	—	—		
AM		0	0	6	1	7	6	0	A1	10/06/82	EP	—	—		
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AM	Ueda et al., "Conversion of Uridine Nucleotides to the 6-Cyano Derivatives: Synthesis of Orotidylic Acid (Nucleosides and Nucleotides)," <u>J. Carbohydr., Nucleosides, Nucleotides</u> , 5:261-271 (1978)
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AM	Wilchek et al., "Modification of the Carboxyl Groups of Ribonuclease by Attachment of Glycine or AlanylGlycine," <u>Biochemistry</u> , 6:247-252 (1967)
AM	Vogt, "Purification and Properties of S, Nuclease from Aspergillus," <u>Methods in Enzymology</u> , 65:248-255 (1980)
EXAMINER	Andrea Manner
	DATE CONSIDERED 12-22-95

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AM	Langer et al., "Enzymatic synthesis of biotin-labeled polynucleotides: Novel nucleic acid affinity probes," <u>Proc. Natl. Acad. Sci. (USA)</u> , <u>78</u> :6633-6637 (1981)
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AM	Torrence, et al., "Interferon Inducers: General Survey and Classification," <u>Methods in Enzymology</u> , <u>Vol. 78</u> , <u>Interferons, Part A</u> , pp. 291-299 (Pestka, Edu.), Academic Press, New York, 1981
EXAMINER	Andrea Manaker
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AM	Bayer et al. "The Use of the Avidin-Biotin Complex as a Tool in Molecular Biology," <u>Methods of Biochem Analysis</u> <u>26</u> :1-45 (1980)
EXAMINER	<u>Arlin Marasho</u>
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AM	Bergstrom et al., "C-5 Substituted Pyrimidine Nucleosides. 2. Synthesis via Olefin Coupling to Organopalladium Intermediates Derived from Uridine and 2'-Deoxyuridine," JACS 100:8106-8112 (1978)
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AM	Bourguignon et al., "DNA of Minute Virus of Mice:Self-Priming, Nonpermuted Single-Stranded Genome with a 5'-Terminal Hairpin Duplex," <i>J. Virol.</i> 20 :290-306 (1976)
AM	Miller et al., "A general method for permeabilizing mono-layer and suspension cultured animal cells," <i>Exp. Cell Res.</i> 120 :421-425 (1979)
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AM	Langer, et al., "Enzymatic synthesis of biotin-labeled polynucleotides: Novel nucleic acid affinity probes," <i>Chemical Abstracts</i> , Vol. 96, No. 7, Feb. 15, 1982, pg. 207, Abstract No. 47771z
EXAMINER	<i>André Masshot</i>
	DATE CONSIDERED <i>12-22-95</i>

<p>Form PTO-1449 U.S. Department of Commerce (REV. 8-83) Patent and Trademark Office</p> <p>INFORMATION DISCLOSURE CITATION (use several sheets if necessary)</p>	<p>Atty. Docket No. Enz-5 (D8)(C2)</p>	<p>Serial No. 08/486,069</p>
<p>Applicants: Dean L. Engelhardt et al.</p>		
<p>Filed: June 1, 1995</p>		<p>Group: 1807</p>

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EXAMINER	<u>John Marasco</u>
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INFORMATION DISCLOSURE CITATION (use several sheets if necessary)		
Applicants: Dean L. Engelhardt et al.		
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Applicants: Dean L. Engelhardt et al.		
Filed: June 7, 1995		Group: 1807

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EXAMINER	<i>John Marash</i>
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*EXAMINER: Initial if citation considered whether or not citation is in conformance with MDER 600. Dashed line